

Attorney Ref. 18920.0019

THE CLAIMS

1 1. (canceled)

1 2. (currently amended) A method for producing a small diameter roller for use for a
2 transfer head of a film transfer tool, said small diameter roller having an outside diameter of 1
3 mm to 3 mm, said roller having a shaft and said shaft being elongate and having two ends,
4 said shaft being thinner towards said ends than between said ends, in which said small
5 diameter roller is produced by placing a heat shrinkable tube over a core material and heating
6 said tube so that said heat shrinkable tube shrinks to cover said core material.

1 3-13. (canceled)

1 14. (currently amended) A method of producing a small diameter roller for use with a
2 transfer head of a film transfer tool, said small diameter roller having an outside diameter of 1
3 mm to 3 mm, comprising:

4 providing a core material containing a shaft of sufficient strength for use in a film
5 transfer tool, said shaft being elongate and having two ends, said shaft being thinner towards
6 said ends than between said ends; and

7 placing a resilient member uniformly around said shaft.

1 15. (previously presented) The method of claim 14, wherein said placing includes:
2 placing a heat shrinkable tube over said shaft; and
3 heating said tube so that said tube shrinks to cover said shaft.

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1 16. (previously presented) The method of claim 15, wherein said providing includes
2 providing a collar portion at each end of said core material for preventing the axial deviation
3 of said heat shrinkable tube.

1 17. (withdrawn) The method of claim 14, wherein said placing includes:
2 submerging a rubber or silicone rubber tube in petroleum oil or an organic solvent to
3 cause said tube to swell, said tube being formed to have an inside diameter which is smaller
4 than an outside diameter of said shaft;
5 placing said tube that has so swollen over said shaft; and
6 drying said tube so placed over said shaft so that said tube shrinks to cover said shaft.

1 18. (withdrawn) The method of claim 17, wherein said providing includes providing a
2 collar portion at each end of said core material for preventing the axial deviation of said heat
3 shrinkable tube.

1 19. (withdrawn) The method of claim 14, wherein said placing includes forming a
2 resilient coat over said shaft through painting or coating.

1 20. (withdrawn) The method of claim 14, wherein said placing includes forming a rubber-
2 like material over an outer circumferential surface of said shaft through insert molding.

1 21. (withdrawn) The method of claim 14, wherein said placing includes:
2 cutting to a suitable length a hollow tube formed to have an inside diameter which is
3 larger than an outside diameter of said shaft; and
4 loosely placing said tube over said shaft.

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- 1 22. (withdrawn) The method of claim 14, wherein said placing includes:
2 forming simultancously said core material and said resilient member through two-
3 color extrusion molding; and
4 cutting said core material and said resilient member to a suitable dimension.
- 1 23. (withdrawn) The method of claim 14, wherein said placing includes skiving a resin or
2 metallic material.